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7-24-96

July 24, 1996

Longview Fibre Company
PO Box 24867
Seattle, Washington 98124

RE: Reminder on StreamGuard™ catch basin insert maintenance.

To whom it may concern,

I wanted to remind you that the StreamGuard™ you purchased may need to be replaced. I am sure that you realize the StreamGuard™ is far superior to any catch basin insert on the market; however, it does require maintenance about every four months in the Pacific Northwest. I would also like to remind you that the product you purchased will be listed in the King County Stormwater design manual as an operational Best Management Practice.

There have been lots of changes since you last purchased the StreamGuard™ catch basin insert. I have taken the liberty of sending you some new pricing information and some literature about our latest product, the DrainTag™, which would be a useful addition to your current stormwater treatment. Our Custom DrainTags™ are an alternative to stenciling, which we perceive as eventually becoming part of the non point source pollution problem, since it eventually erodes down the storm drain inlet.

We are also putting together a catalog to be released in the Fall. A table of contents is enclosed for you to get an idea of the types of products and services we offer. If you would like to receive a free copy, please let us know.

Once again, thank you for having purchased the StreamGuard™ catch basin insert. If you have any questions about maintenance or need to reorder, please feel free to contact us.

Sincerely,

Courtney Jader
Foss Environmental Services Company



The StreamGuard™ Catch Basin Insert

The StreamGuard™ Catch Basin Insert is an innovative technology designed to remove contaminants such as oil and grease, sediment, floatables, and debris from storm water. StreamGuard™ inserts are inexpensive and disposable, and they fit nearly all catch basins. The StreamGuard™ Insert is easily installed in the catch basin and works passively (no chemicals or power required) to remove contaminants from storm water or industrial wastewater.

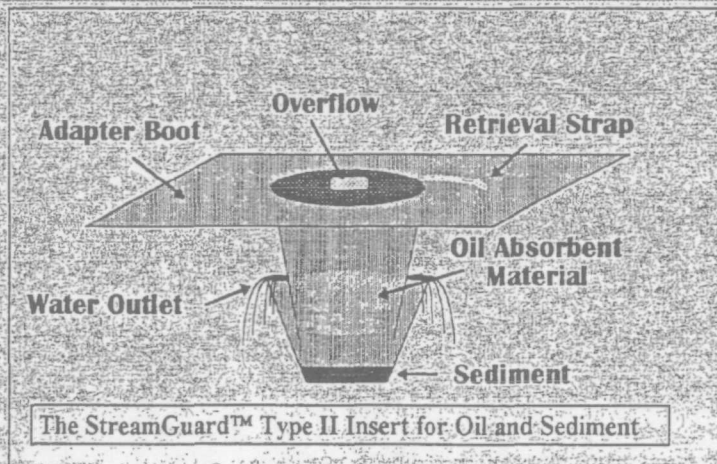
Three types of inserts are available: for oil and sediment, for sediment only, and for floatables and debris. The type you use depends on your specific application.

Applications

- Construction Sites
- Industrial Facilities
- Car & Truck Washing
- Steamcleaning Pads
- Parking Lots
- Marinas/Shipyards
- Service Stations
- Sandblasting Operations
- Waterfront Parks
- Parking Lot Cleaning

HOW IT WORKS

The StreamGuard™ Insert is made entirely of a geotextile fabric, sewn with heavy-duty marine grade monofilament



The StreamGuard™ Type II Insert for Oil and Sediment

thread. Universal fit is assured by a unique fabric adapter "boot" (see drawing above). To install, just remove the catch basin grating, lay the insert "boot" over the opening, then replace the grating. The weight and snug fit of the grating locks the insert in place. Next, simply cut away the excess fabric of the boot from around the grating and the procedure is complete.

When storm water enters the catch basin, it is forced into the insert. The fabric will act as a filter at first, allowing water to pass but retaining sediment and absorbing oil and grease. When the fabric can no longer filter due to accumulated contaminants, it begins to operate in its designed long-term mode. In this mode the body of the oil and sediment unit fills with water, which

provides detention for the gravity settling of sediment. The sediment is captured in the bottom of the insert. Oil entering the unit will conversely prefer to remain floating at the surface of the water where it is absorbed into the oil absorbent material as depicted in the drawing above.

INSERT MAINTENANCE

Insert maintenance is quick and inexpensive, with replacement frequency dependent on contaminant loading and storm water volume. In many storm drain applications with drainage areas less than 10,000 square feet, the inserts will last up to 5 inches of rain or longer. In heavy-loading applications or poorly controlled sites,

(continued on reverse)

2 The StreamGuard™ Catch Basin Insert

however, the inserts will need to be replaced on an "as needed" basis.

To remove the insert, simply pull the retrieval strap up through the grating, secure it by sliding a bar through the strap loop, then slide the grating half-way off the

catch basin and reach under the grating to remove the insert.

For most applications the primary contaminants removed by the inserts will be sediment and oil. In these cases, the spent inserts can usually be disposed of as a standard

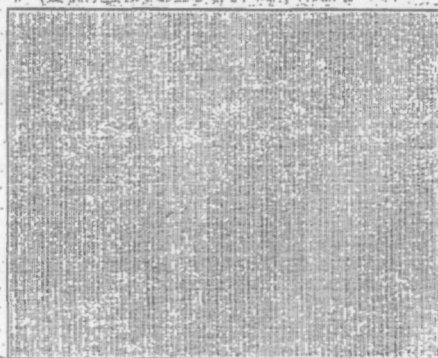
solid waste. Drip dry to comply with the "no free liquids" rule for solid wastes. In applications where hazardous materials may be present in the storm water, disposal of the inserts should follow local environmental regulations.

For more information

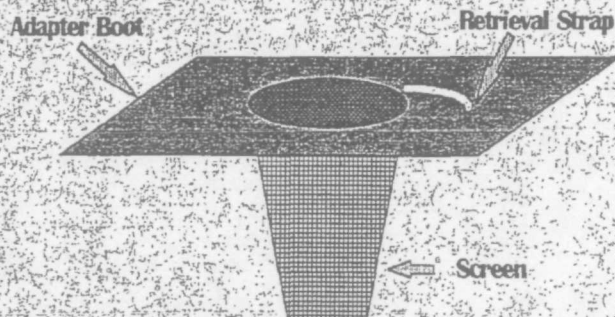
Distributed by:

Foss Environmental Services Co.
7440 West Marginal Way South
Seattle, Washington USA 98108
Phone: (206) 767-0441
Fax: (206) 767-3460
Internet: jbhsmith@seanet.com

Dealer:

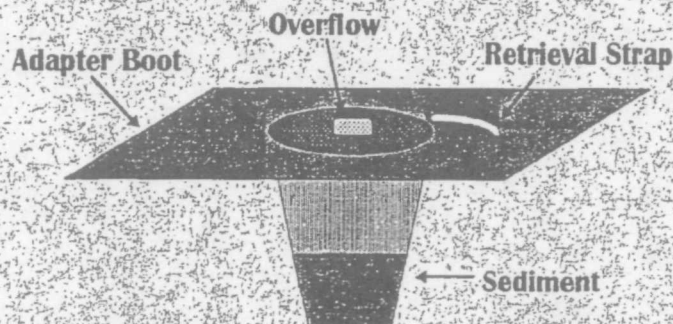


StreamGuard™ Type II Insert for Floatables/Debris



"Some evidence suggests that the removal of large debris such as cigarette butts, candy wrappers, and beauty bark reduces the amount of harmful bacteria in receiving waters."*

StreamGuard™ Type II Insert for Sediment



"Inserts designed for sediment removal may be used at construction sites, and in situations where stockpiles or unpaved areas are likely to contribute high sediment loads."*

"A catch basin insert is a device installed under a storm drain grate to provide water quality treatment through filtration, settling, or absorption."*



"When selecting a system, ensure that your specific pollutant-removal needs are met."*

*King County Stormwater
Pollution Control
Manual, July 1995



April 1995

StreamGuard™

CATCH BASIN FILTERS (CBF) &
DEWATERING SEDIMENT BAGS (DSB)

RETAIL PRICE LIST

Type II CBFs (OS=oil and sediment; IND=industrial (no overflow); S=sediment only; T=trash)					
Type I DSBs (Dewatering Sediment Bags)					
StreamGuard™	Prices in US dollars (\$)				
Item	1-4 units (ea.)	5-9 units. (ea)	1-5 /carton ea. (ctn.)	6-10 /carton ea. (ctn.)	11+ /carton ea. (ctn.)
Type II-OS CBF (oil & sediment)	99.00	97.00	89.00 (890.00)	86.50 (865.00)	84.00 (840.00)
Type II-S CBF (sediment only)	74.00	72.00	66.00 (660.00)	64.50 (645.00)	63.00 (630.00)
Type II-IND CBF (industrial)	98.00	96.00	88.00 (880.00)	85.50(855.00)	83.00 (830.00)
Type II-T CBF (trash & floatables)	74.00	74.00	66.00 (660.00)	64.50 (645.00)	63.00 (630.00)
Type I-(DSB-4) (4'L x 3'W)	49.00	47.00	44.00 (440.00)	42.50 (425.00)	41.00 (410.00)
Type I-(DSB-8) (8'L x 3'W)	59.00	57.00	53.00 (530.00)	51.50 (515.00)	50.00 (500.00)
All cartons contain 10 Units					

PACKAGING:

CARTON DIMENSIONS

WEIGHT

CUBE

StreamGuard™Type II-OS CBF	32" x 17" x 16"	26#/ctn.	5 cubic ft.
StreamGuard™Type II-S CBF	18" x 14" x 12"	09#/ctn.	1¾ cubic ft.
StreamGuard™Type II-IND CBF	32" x 17" x 16"	26#/ctn.	5 cubic ft.
StreamGuard™Type II-T CBF	18" x 14" x 12"	07#/ctn.	1¾ cubic ft.
StreamGuard™Type I-(DSB-4)	18" x 14" x 12"	07#/ctn.	1¾ cubic ft.
StreamGuard™Type I-(DSB-8)	32" x 17" x 16"	14#/ctn.	5 cubic ft.

SHIPPING: UPS Ground (unless otherwise specified)

NOTES: Prices are: FOB Seattle, WA; Portland, OR; Long Beach, CA; Terms: Net-30 (OAC) or VISA/MC

7440 West Marginal Way South
Seattle, WA 98108 (206) 767-0441 Fax: (206) 767-3460

CBFPRIC2.DOC

StreamGuard™ Product Applications

CATCH BASIN FILTERS

Type II-S (sediment): Unit is designed to capture sediment only from stormwater runoff at construction sites, or sites where oil & grease is not a problem. Under normal operating conditions, the sediment unit is rated for 50 GPM. Maximum overflow capacity is rated at 200 GPM.

Type II-OS (oil & sediment): Unit is designed to capture oil, grease and sediment from stormwater runoff at the catch basin. Under normal operating conditions, the oil and sediment unit is rated for 6-10 GPM. Maximum overflow capacity is rated at 200 GPM.

Type II-IND (industrial): Unit is designed to capture oil, grease, sediment and floatables from industrial facilities. Under normal operating conditions, the industrial unit is rated for 6-10 GPM. This unit does not have an overflow mechanism, so it is not intended for stormwater applications.

Type II-T (trash): Unit is designed to capture trash and floatables from stormwater runoff at the catch basin. The unit's bag has a 18 x 16 sieve size using a .011 diameter plastic wire.

DEWATERING SEDIMENT BAGS (DSB)

StreamGuard™ **Dewatering Sediment Bags (DSB)** are designed to capture sediment from dewatering pump operations at construction sites or any application of a dewatering pump that requires minimizing the amount of sediment discharged to storm drains, land, stream or watercourses. Bags are attached to discharge hose and accumulate sediment during dewatering. Captured sediment may be emptied back into excavation when full or when job is finished.

IDENTIFY YOUR STORM DRAINS WITH **The DrainTag™**

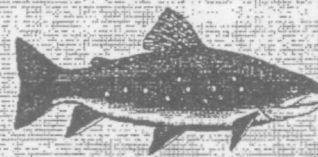
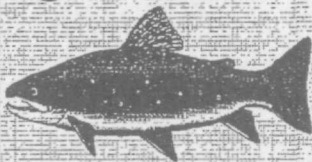
- Identifies where the catch basin drains.
- Identifies what can and cannot be drained.
- Identifies emergency response contact.

DRAINS TO DUWAMISH RIVER

Stormwater Only - No Dumping!

● Drain # 013 ●

Call 767-0441 ●



DRAINS TO DUWAMISH RIVER

Stormwater Only - No Dumping!

● Drain # 013 ●

Call 767-0441 ●



Available from:

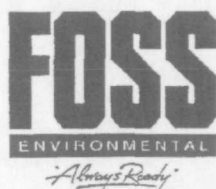
Foss Environmental

7440 W. Marginal Way South

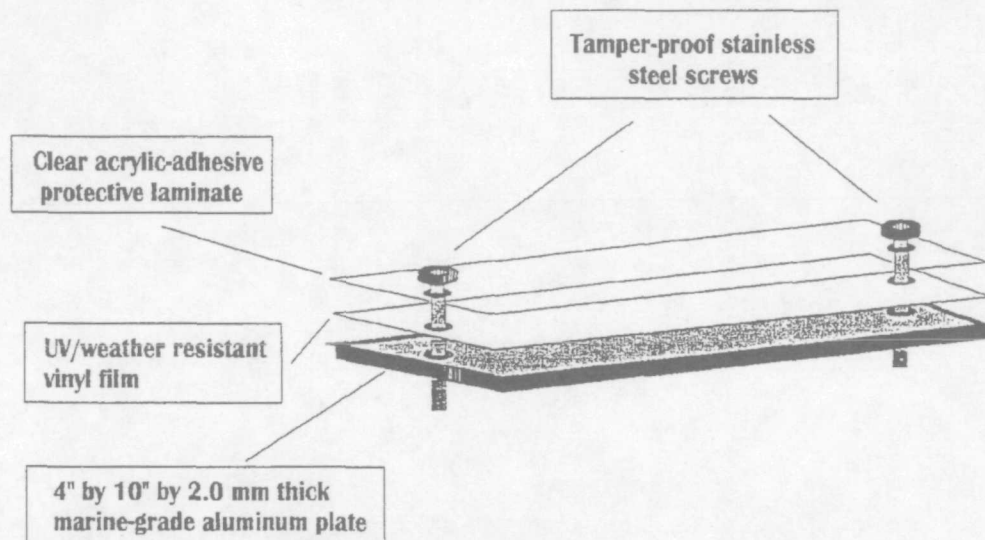
Seattle, WA 98108 USA

Ph: (206) 767-0441

Fax: (206) 767-3460



The DrainTag™ Specifications



Description: The DrainTag™ is made from Brady B-946 outdoor marking film. It is a high gloss, durable, flexible, dimensionally stable, pressure sensitive adhesive product which is attached to a 4 in. by 10 in. by 2.0 mm thick marine-grade aluminum backing plate. The Drain Tag's™ custom-printed image is protected from abrasion with a laminate made from Brady B-946 outdoor clear acrylic adhesive vinyl.

Special Properties: The DrainTag™'s vinyl film is custom printed with weather resistant inks and particularly well suited for outdoor applications where weatherability and abrasion resistance are key considerations.

Adhesive Type: Permanent, cold temperature pressure sensitive acrylic.

Colors: White on red, blue, green, brown, gold, magenta, and black.
Black on yellow, white, orange, and gray.

Thickness: The vinyl used is 0.005 in. (0.125 mm). The aluminum backing plate is 0.08 in. (2.0 mm).

Tensile Strength (vinyl film): 15 lbs./in. (262 N/100mm).

Adhesive Properties: (vinyl film): Adhesion to steel (PSTC-1) 15 min. Dwell (ave) 75 oz./in. (82 N/100) Ultimate (72 hour Dwell) (ave.) 116 oz./in. (127 N/100).

Tack (ASTM D-2979) (ave) 800 g 8 N/cm; Drop shear (PSTC-7) (ave.) 4 hours.

Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A): CS-17 wheels; 1,000 gm wts. Image withstands up to 700 cycles; vinyl film withstands up to 8,000 cycles. *Note: with the protective laminate the image will withstand up to 8,700 cycles.*

Service Temperature: -40°F to 180°F (-40°C to 82°C).

Outdoor Durability: 5 years (not recommended for use under continuous vehicular traffic conditions).

Chemical Resistance: Excellent - alcohols, detergents, grease, and oils. Not recommended - aggressive organic solvents, strong acids, and strong alkalis.

The DrainTag™ Pricing

1 each	2-10	11-25	26-100	101+
\$30	\$25	\$21	\$19	\$15

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(For the new Foss
BMP³ Catalog due out in Sept. '96)

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***TO OBTAIN A CATALOG
PLEASE CONTACT:***

FOSS ENVIRONMENTAL SERVICES CO.
7440 WEST MARGINAL WAY SOUTH
SEATTLE, WASHINGTON 98108 USA
(206) 767-0441; FAX: (206) 767-3460
INTERNET: <http://www.eskimo.com/~bwest/foss.html>
Contact: Joe Smith (Email: jbhsmith@seanet.com)